

Grange-over-Sands
Urban District Council.

ANNUAL REPORT

OF THE

Medical Officer of Health.

1913.

GRANGE-OVER-SANDS :

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Grange-ober-Sands Urban District Council.

ANNUAL REPORT OF THE MEDICAL OFFICER
OF HEALTH.

ULVERSTON,

March, 1914.

GENTLEMEN,

It is the duty of a Medical Officer of Health, in accordance with the order of the Local Government Board, to present to his Authority an annual report which shall deal with the sanitary improvements effected in the district under his supervision, the incidence of infectious sickness, and the general vital statistics, and in fulfilment of this, I will adopt the order of previous reports.

Inspection of District.—I am quite satisfied that your district is kept under careful supervision, regular systematic inspection is made and also special inspection in case of complaint of sanitary defects or any outbreak of infectious disease.

Sanitary Condition and Progress — Water Supply.—The quality of the water supplied to the district has always been quite above suspicion, and as an evidence of this I can scarcely do better than append hereto a copy of the analysis made of a sample which was submitted to the County Analyst in July last.

ANALYSIS OF WATER.

Sample taken from Main in Grange, July 10th, 1913.

						PARTS PER 100,000
Total solid matter in solution	...	...	...	...	...	7·6
Oxygen absorbed from permanganate :						
	in 15 minutes		...	...	...	·041
	in 3 hours		...	...	...	·080
Ammonia	...	...	...	...	...	·001
Albuminoid Ammonia	...	...	...	...	...	·003
Nitrogen as Nitrates	...	...	...	...	...	nil.
„ Nitrites	...	...	...	...	...	nil.
Combined Chlorine	...	...	...	...	...	1·35

“Excellent for drinking and domestic purposes.”

W. COLLINGWOOD WILLIAMS, B.Sc., F.I.C.,

County Analyst.

As to the quantity, I need only say that a constant supply was maintained throughout the year, and this, in spite of the fact that for the six months from May to October inclusive the rainfall was $5\frac{1}{4}$ inches below that of the corresponding six months in 1911, and in spite also of the fact that the Ulverston Rural District Council took 13,040,000 gallons in 1913 as compared with 8,148,000 gallons in 1911, this it would have been impossible to manage had not the additional storage of the new reservoir been available, and in the year 1911 it was found necessary to put the consumers on an intermittent supply for seven weeks.

An extension of about 40 yards of the main in Fernleigh Road has been carried out to connect the existing main in that road with the 4-inch main in Kents Bank Road, by this extension a “dead end” is avoided, and it is hoped also to improve the pressure in Kents Bank and Cart Lane districts.

New Streets.—No new streets have been constructed during the year.

Sewerage and Drainage.—The sewers of the district have been maintained in good order.

House drainage has been repaired in several instances, and in one instance the drains have been remodelled, the use of a cesspool discontinued and the drainage system connected to the public sewer.

The drainage of the National School has been examined and remodelled.

House Refuse Removal. — This department of sanitary work is carefully, and thoroughly carried out; 1062 loads of refuse have been collected and removed to the tip during the year, as compared with 1004 loads in 1912, and 996 loads in 1911. The refuse is tipped at the Guides' Quarry.

Disinfection.—Five rooms in four houses have been disinfected after infectious disease.

Housing, Town Planning, etc. Act, 1909.—(Housing Inspection of Districts Regulations, 1913).—Very few houses in the district come within the scope of this Act, but an inspection is in progress and will be completed before the end of another year.

Slaughter Houses.—There is only one slaughter house in the district, and this has been kept in good order.

Offensive Trades.—The only trade scheduled under this heading in the district is that of a fried fish and chipped potato dealer, and it cannot be said that the process has given rise to much complaint.

Privies and Ashpits.—One privy has been converted

into a W.C., so that there are now 14 privies, 495 W.C.'s, and 2 pail closets in the district.

Dairies and Cowsheds and Milkshops Order, 1885.—There are two cowkeepers and purveyors of milk, also one cowkeeper and two purveyors of milk who are resident within the district, and five purveyors of milk resident outside the district who bring their milk into the district.

Factory and Workshops Acts.—The premises in the district coming under these Acts are as follows :—

Factories :

1 Joiner,	1 Letter-press Printing Works.
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Workshops :

3 Bootmakers,	2 Dressmakers and Milliners,
1 Blacksmith,	1 Cabinet Maker,
1 Saddler,	3 Joiners,
1 Quarry,	1 Watchmaker,
1 Tailor,	1 Aerated Water Manufacturer.

These have entailed 180 inspections, as follows :—

Factories	...	...	...	9
Workshops	...	...	...	120
Workplaces	...	...	...	51

Report of Inspector of Nuisances for Year 1913.

Statutory notices served	...	...	...	...	1
ditto . . . complied with	...	...	...	...	1
House drainage systems repaired	...	...	...	...	1
Slaughter house inspections	...	...	...	...	24
Bakehouse inspections	...	...	...	...	12
Factory, Workshops and Workplaces inspections	...	...	...	...	180
Rooms disinfected	...	...	...	...	5
Privy converted to W.C.	...	...	...	...	1

VITAL STATISTICS.

Assessable Value (General District Rate), 1912—£18,070 10s.			
" " " " 1913—£18,218 2s. 6d.			
Inhabited Houses	...	...	1912—459.
"	...	...	1913—459.
Area in Acres	...	...	1508.
Population (enumerated 1901)	...		1993.
" (" 1911)	...		2232.

Population.—Any change that there may be in the population must be so small as not to affect the calculation made in the succeeding tables, and I am basing them upon the census returns of 1911.

Births.—The births registered during the year have numbered 18, which produces a birth-rate of 8·0 per 1000; in the year 1912 there were 24 births, which produced a birth-rate of 10·7 per 1000.

There were in the

1st quarter	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	Tots.
of year	8	3	3	5	2	3	6	5	7	4	46
2nd quarter	5	8	8	6	5	8	3	13	8	6	70
3rd "	4	6	5	3	7	9	6	3	4	3	50
4th "	1	7	5	6	4	4	2	3	3	3	38
Totals	18	24	21	20	18	24	17	24	22	16	204

For the ten years recorded above the mean number of births has been 20·4.

Eight male children have been born and ten females.

Deaths.—I find that there have been 20 deaths in the year 1913, which is equal to a death-rate of 8·9 per 1000; in the year 1912 there were 16 deaths, the death-rate being then 7·1 per 1000.

There were in the

	1913	1912	1911	1910	1909	1908	1907	1906	1905	Tots
1st quarter										
of year	9	2	4	9	10	13	9	12	13	81
2nd quarter	4	3	8	6	8	5	8	5	7	54
3rd „	7	4	4	6	8	10	5	4	2	50
4th „	0	7	7	5	4	5	8	6	7	49
Totals	20	16	23	26	30	33	30	27	29	234

There were ten deaths in males and ten in females.

The mean number of deaths for the past nine years has been 26·0.

Causes of Death.—

	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	Tots
Phthisis	—	—	2	7	6	4	4	3	5	—	31
Cancer	2	1	3	1	3	2	2	3	4	—	21
Influenza	—	—	2	—	1	1	2	1	—	2	9
Heart disease	3	—	—	6	2	2	4	1	2	3	23
Bronchitis	5	—	—	—	2	3	2	2	4	5	23
Pleurisy	—	—	—	—	—	1	—	—	—	—	1
Accident	—	—	1	—	—	—	—	—	—	—	1
Rheumatic Fever	—	2	—	—	—	—	—	—	—	—	2
Prem. births	1	—	1	—	1	—	—	1	1	—	5
Alcoholism	—	—	—	—	1	1	—	—	2	1	5
Pneumonia	—	3	1	—	—	3	1	2	1	—	11
Tuberculosis	1	—	1	—	1	—	—	2	—	—	5
Scarlet Fever	—	—	—	—	—	—	—	—	1	—	1
Measles	1	—	—	—	—	—	—	—	—	—	1
Suicides	—	—	—	—	—	2	—	—	1	—	3
Diphtheria	2	1	—	—	—	—	—	—	—	—	3
Diarrhœa	—	—	—	—	—	—	1	—	—	—	1
Nephritis	2	—	—	—	—	—	—	—	—	—	2
Childbirth	—	—	—	—	1	—	—	—	—	—	1
Other causes	3	9	12	12	12	14	12	12	8	8	102
Totals	20	16	23	26	30	33	28	27	29	19	251

Infantile Death-rate.—The Infantile Death-rate signifies the annual number of deaths of infants dying before the completion of the first year of life compared with the number of births for the year. During the year under consideration there has been one death during this age period, the infantile death-rate being equal to 55·5 per 1000 births ; in the year 1912 there were no infantile deaths.

Respiratory Diseases or Diseases of the Respiratory Organs.—I include under this heading Bronchitis, Pneumonia and Pleurisy, and I find that there have been five deaths from diseases of this class ; the death-rate from respiratory diseases being equal to 25·0 per cent. of the deaths from all other causes.

Phthisis.—For the second successive year I have to report that there have been no deaths from Phthisis.

Zymotic Deaths.—The diseases included under this particular heading are, Small-pox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Fever (Typhus, Simple Continued) Enteric and Diarrhœa, and I find that from Zymotic Diseases there have been three deaths, two from Diphtheria, and one from Measles, the death-rate being equal to 1·3 per 1000 ; in 1912 there was one death from Diphtheria, the Zymotic death-rate being ·44 per 1000.

Notification of Infectious Diseases.—I give below a table showing the number of cases of infectious disease notified during the year.

	Phthisis	Typhoid Fever	Small Pox	Scarlet Fever	Ery- sipe- las	Puer- peral Fever	Diph- theria	Totals
1902	0	0	0	0	0	0	0	0
1903	0	0	0	0	0	0	0	0
1904	0	0	0	6	0	0	0	6
1905	0	1	0	2	1	0	2	6
1906	0	0	0	0	0	0	1	1
1907	0	0	0	13	0	0	1	14
1908	0	1	0	7	0	0	0	8
1909	0	0	0	6	0	0	0	6
1910	0	0	0	1	0	1	2	4
1911	0	0	0	1	0	0	0	1
1912	1	0	0	13	0	0	2	16
1913	7	0	0	5	1	0	2	15
Totals	8	2	0	54	2	1	10	77

Diphtheria.—Of the two cases of Diphtheria notified, undoubtedly one was imported into the district, the other occurred in February and was removed to the Sanatorium at Kendal, but unfortunately died there.

Scarlet Fever.—This disease never occurred in a really epidemic form during the past year, one case was notified in August, two in September, and two in December. All these cases were treated at home.

Before concluding my report, I must not omit to thank the Health Committee and my colleagues for their kindly assistance at all times.

I am, Gentlemen,

Yours obediently,

G. H. PATTERSON,

L.R.C.P. Lond., M.R.C.S. Eng., D.P.H. Lond.,

Medical Officer of Health.

30th March, 1914.

SUNSHINE RECORD, 1913.

Taken at Charney Hall, Grange-over-Sands, 300 feet above
sea level, on Jordan's Photographic Recorder.

		Total in 1913. H. M.		Sunless Days in 1913.		Av. for 21 years. H. M.
January	...	49·25	...	12	...	51·59
February	...	70·50	...	7	...	76·59
March	...	135·05	...	4	...	131·18
April	...	136·05	...	3	...	174·11
May	...	193·50	...	2	...	206·25
June	..	193·25	...	1	...	208·03
July	...	191·05	...	2	...	194·54
August	...	209·45	...	1	...	170·37
September	...	158·40	...	2	...	145·51
October	...	113·05	...	4	...	109·15
November	...	68·25	...	7	...	71·13
December	...	53·55	...	12	...	49·33
Total	...	1573·35	...	57	..	1590·18

RAINFALL RECORD, AT NEWTON WATERWORKS.

		1911. Inches.		1912. Inches.		1913. Inches.
January	...	2·36	...	4·39	...	4·82
February	...	6·50	...	3·83	...	2·77
March	...	1·70	...	7·88	...	4·55
April...	...	3·90	...	1·16	...	5·78
May ...	...	2·18	...	2·97	...	3·40
June	...	4·12	...	6·30	...	3·40
July ...	...	0·84	...	6·21	...	0·90
August	...	3·81	...	7·50	...	2·30
September	...	5·37	...	2·09	...	3·17
October	...	5·99	...	7·25	...	3·86
November	...	7·31	...	5·13	...	5·80
December	...	8·00	...	6·05	...	3·55
Totals	...	52·08	...	60·76	...	44·30
